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CENTRAL FAX CENTER **PATENT**
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Amendments to the Claims:

The listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A system for enhancing an audio system, the audio system delivers audio output to an audio output terminal, said system comprising:

 a wireless RF transmitter that connects to the audio output terminal to receive the audio output and wirelessly transmits signals corresponding to the audio output; and

 a personal audio device usable by a particular user to hear the audio output, said personal audio device including at least:

 a wireless RF receiver capable of receiving the wirelessly-transmitted signals by said wireless RF transmitter;

 a controller operatively connected to said wireless RF receiver; and

 a speaker operatively connected to said controller;

 wherein said system further includes a data storage device for storing user information regarding the particular user,

 wherein said system generates a customized audio output based on the audio output and the user information, and

 wherein said speaker produces an audio sound output in accordance with the customized audio output.

2. (Currently Amended) A system as recited in claim 1,

 wherein said data storage device is removably connect to included in said personal audio device.

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wherein said controller operatively connects to said data storage device, and

wherein said controller operates to produce the customized audio output based on the audio output and the user information.

3. (Currently Amended) A system as recited in claim 1,

wherein said speaker is an ultrasonic speaker,

wherein said controller produces ultrasonic drive signals based on the customized audio output and supplies the ultrasonic drive signals to said directional speaker for output of the audio sound output in a directionally constrained manner,

wherein said system is provided internal to a building, and

wherein the audio sound output in the directionally constrained manner is for delivery for one or more persons internal to the building.

4. (Original) A system as recited in claim 1, wherein the user information comprises a user hearing profile.

5. (Original) A system as recited in claim 1, wherein the user information comprises at least one user preference.

6. (Previously Presented) A system as recited in claim 1,

wherein said personal audio device further obtains environmental information pertaining to the vicinity of said personal audio device, and

wherein the customized audio output is further dependent on the environmental information.

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7. (Previously Presented) A system as recited in claim 6, wherein the environmental information includes at least a noise level, and wherein the volume of the audio sound output is dependent on the noise level.

8. (Original) A system as recited in claim 6, wherein said personal audio device further comprises:

at least one environmental sensor that acquires the environmental information.

9. (Original) A system as recited in claim 6, wherein the environmental information is determined based on a position of said personal audio device or the user.

10. (Currently Amended) A system as recited in claim 1,

wherein said data storage device is removably connected to included in said wireless RF transmitter, and

wherein said wireless RF transmitter operates to produce the customized audio output based on the audio output and the user information.

Claims 11-17 (Cancelled).

18. (Previously Presented) A system as recited in claim 1, wherein the audio system is an entertainment system.

19. (Currently Amended) A system as recited in claim 1, wherein said data storage device is a removable memory card that is portable and removable from said personal audio device system.

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20. (Previously Presented) A system as recited in claim 1, wherein said personal audio device is wearable by the user.

21. (Currently Amended) A system for enhancing an audio system, the audio system delivers audio output to an audio output terminal, said system comprising:

[[a]] an external wireless RF transmitter provided as an attachment that removably connects to the audio output terminal to receive the audio output and wirelessly transmits signals corresponding to the audio output; and

a personal audio device usable by a user to hear the audio output, said personal audio device including at least:

a wireless RF receiver capable of receiving the wirelessly-transmitted signals by said wireless RF transmitter;

a controller operatively connected to said wireless RF receiver; and

a directional speaker operatively connected to said controller, said speaker produces a directional audio sound output in accordance with the audio output,

wherein the directional audio sound output is an audio sound output that is directionally constrained, and

wherein said personal audio device is a mobile device that is for use by a particular user, and

~~wherein said personal audio device is portable by the particular user.~~

22. (Previously presented) A system as recited in claim 21, wherein said speaker is an ultrasonic speaker, and wherein the signals driving the speaker are

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ultrasonic drive signals that are supplied to said directional speaker for output of the directional audio sound output.

23. (Previously Presented) A system as recited in claim 21, wherein the directional audio sound output by said directional speaker is substantially confined to a predetermined direction plus or minus 15 degrees.

24. (Previously Presented) A personal audio device usable by a user to hear audio sound, said personal audio device comprising:

 a controller for transforming audio data into speaker drive signals; and
 an ultrasonic speaker operatively connected to said controller, said ultrasonic speaker produces a directional acoustic output in accordance with the speaker drive signals, the directional acoustic output being an audio sound output that is directionally constrained,

 wherein the speaker drive signals are ultrasonic drive signals that are supplied to said ultrasonic speaker,

 wherein said personal audio device is for use by a particular user,

 wherein said personal audio device is a mobile device, and

 wherein said personal audio device is portable by the particular user.

25. (Currently Amended) A device as recited in claim 24, wherein said personal audio device further comprises:

 a wireless RF receiver capable of receiving the audio data that are transmitted to said personal audio device by a wireless RF transmitter.

26. (Previously presented). A device as recited in claim 24, wherein said personal audio device is capable of being worn.

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27. (Previously presented) A device as recited in claim 24, wherein, when said controller produces the speaker drive signals, said controller takes into consideration a hearing characteristic of the user.

28. (Previously presented) A device as recited in claim 27, wherein the hearing characteristic is provided to said personal audio device by a removable, portable data storage device that can operatively connect to said personal audio device.

29. (Currently Amended) A method for providing audio sound output from an audio system to a user in a wireless manner, said method comprising:

receiving audio signals at a wireless audio adapter that is removably attached to an audio output port of the audio system, the audio signals being provided by the audio system via the audio output port;

wirelessly transmitting, via the wireless audio adapter and radio frequency transmissions, the audio signals to a specific personal audio device that has a directional speaker; and

producing audio sound output using the directional speaker, the audio sound output being based on the audio signals, and the audio sound output being in a directionally constrained manner,

wherein the personal audio device is a mobile device that is for use by a particular user, and

wherein the directional speaker is an ultrasonic speaker.

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30. (Previously Presented) A method as recited in claim 29, wherein said producing comprises:

generating ultrasonic drive signals based on the audio signals for the directional speaker.

31. (Previously presented) A method as recited in claim 29, wherein said producing comprises obtaining user information pertaining to the particular user,

wherein the audio sound output being produced is further based on the user information.

32. (Previously presented) A method as recited in claim 31, wherein the user information comprises a hearing characteristic associated with the user.

33. (Previously Presented) A method as recited in claim 29, wherein said producing comprises obtaining at least one environmental characteristic pertaining to the vicinity of the personal audio device,

wherein the audio sound output being produced is further based on the at least one environmental characteristic.

34. (New) A system as recited in claim 1, wherein the audio system has a housing,

wherein the audio output terminal is externally accessible to the housing, and

wherein said wireless RF transmitter is external to the housing but connects to the audio output terminal.

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35. (New) A system as recited in claim 34, wherein the user information includes at least one hearing characteristic of the particular user, and wherein said system generates the customized audio output specifically for the particular user based on the audio output and the at least one hearing characteristic of the particular user.

36. (New) A system as recited in claim 34, wherein personal audio device includes the data storage device, and wherein said personal audio device generates the customized audio output.

37. (New) A system as recited in claim 1, wherein personal audio device includes the data storage device, and wherein said personal audio device generates the customized audio output.